

Claim Amendments

1. (canceled)
2. (previously presented) An adapter for coupling an existing connector to a different electrical unit than the one for which the existing connector was designed, the adapter comprising:

a non-conductive housing which carries a first set of electrical conductors and a second set of electrical conductors wherein the number of the second set of conductors is the same as the number of the first set of conductors, wherein members of the first set exhibit an electro-mechanical plug-type profile for engagement with socket elements of the existing connector and wherein members of the second set exhibit an electro-mechanical socket-type profile for engagement with a second plug carried by the electrical unit wherein the existing connector and the second plug are incompatible and are not mutually engageable; and

wherein the first set of electrical conductors includes a plurality of flexible, elongated, conductors which terminate in respective rigid conducting prongs engageable with the existing connector.
3. (original) An adapter as in claim 2 wherein the rigid conducting prongs are selectively arranged in a second housing.
4. (previously presented) An adapter as in claim 3 wherein the prongs are insertable in the second housing in the selected arrangement.
5. (previously presented) An adapter as in claim 2 wherein the prongs are surrounded, at least in part, by a cover whereby the prongs are extendable axially from the cover.
6. (original) An adapter as in claim 2 wherein the flexible conductors couple the configuration of conductors at the existing connector to the configuration of the second set in the housing.

7. (original) An adapter as in claim 6 wherein the first and second sets each comprise three conductors.

8. (original) An adapter as in claim 6 wherein the existing connector includes at least two conductors for delivery of AC-type power.

9. (original) An adapter as in claim 8 wherein the first set includes three conductors, configured so as to be compatible with the conductors of the connector.

10-11. (canceled)

12. (previously presented) An ambient condition detector comprising:
a housing;

a first connector carried on the housing, for mating to a second connector of a compatible form factor and electrical configuration; and

an adapter which engages the first connector whereby the adapter exhibits an output configuration for engaging another, different connector, incompatible with the second connector; and

wherein the adapter includes a first set of flexible electrical conductors which terminate in respective rigid conducting pins engageable with the different connector.

13. (previously presented) An adapter as in claim 12 wherein the rigid conducting pins are selectively arranged in a second housing.

14. (previously presented) An adapter as in claim 13 wherein the pins are insertable in the second housing in the selected arrangement.

15. (previously presented) An adapter as in claim 12 wherein the pins are surrounded, at least in part, by a cover whereby the pins are extendable axially from the cover.

16. (original) An adapter as in claim 12 wherein the flexible conductors couple the configuration of conductors at the existing connector to the configuration of the first connector.

17. (previously presented) An electrical adapter comprising:
a non-conductive housing;
the housing carrying a plurality of electrical receptacles engageable with a plug on an electrical device;

a plurality of flexible, elongated electrical conductors each of which is attached to a respective receptacle, each of the flexible conductors carries, at an end displaced from the attached receptacle, a single conductor plug, the plugs are engageable with a cable connector.

18. (previously presented) An adapter as in claim 17 where members of at least one of the plugs or the receptacles are movable so as to provide a plurality of configurations in the housing.

19. (previously presented) An adapter as in claim 17 where the plugs are carried in a second housing.

20. (previously presented) An adapter as in claim 17 where the plugs can be arranged in the housing in a plurality of different configurations.

21. (new) An ambient condition detector system comprising:
a detector with a housing;
a first connector carried on the housing, for mating to a second connector of a compatible form factor and electrical configuration;
an adapter which engages the first connector whereby the adapter exhibits an output configuration for engaging a third, different connector, incompatible with the second connector;
an adapter which engages the first connector whereby the adapter exhibits an output configuration for engaging a fourth, different connector, incompatible with the second connector;
where the adapters each include a set of flexible electrical conductors which terminate in respective rigid conducting pins engageable respectively with the third or fourth connector, and

where the detector at least receives alarm indicating signals from remote locations on an electrical conductor associated with each of the third and fourth connectors.

22. (new) A system as in claim 21 where the rigid conducting pins are selectively arranged in a second housing.

23. (new) A system as in claim 22 where the pins are insertable in the second housing in the selected arrangement.

24. (new) A system as in claim 21 where the first connector includes at least first and second AC power conductors and a detector interconnect signaling conductor with the first and second adapters each coupling AC power to the detector and alarm indicating signals to, from the third or fourth connectors.